

PUBLIC NOTICE

PERMIT APPLICATION NUMBER: NRS 06.105

APPLICANT: Knox County Engineering and Public Works
205 W. Baxter Avenue
Knoxville, TN 37917
865-215-5808

LOCATION: The proposed project would be located just east of the intersection of Schaad Road and Oak Ridge Highway and continue parallel to Ball Camp Pike on the west side for about 1.9 miles. Knox County (35.9885°N, 84.0452°W)(35.9819°N, 84.0512°W)

WATERSHED DESCRIPTION: The project is located in the Watts Bar watershed (HUC 06010201). The proposed project would impact an unnamed tributary to Grassy Creek that flows under the Oak Ridge Highway and a pond that was built on another unnamed tributary to Grassy Creek. The unnamed tributary to Grassy Creek that flows under Oak Ridge Highway is approximately 6 ft. wide and 6 to 8 ft. deep with sides at a 1 to 1 ratio. The pond has about 13,500 square feet of surface area and is about 6 to 7 ft. deep. The land use in the immediate area is residential and some agriculture. The unnamed tributary to Grassy Creek and the pond have not been assessed.

PROJECT DESCRIPTION: The applicant proposes to culvert and relocate the unnamed tributary to Grassy Creek and fill a portion of the pond. The impacts proposed are associated with the relocation of about 1.9 miles of Ball Camp Pike.

The unnamed tributary to Grassy Creek would be culverted with two 12 ft. by 5 ft reinforced concrete box culverts. One culvert would be 117 ft. long and the other would be 111 ft long. The existing stream would be relocated through the culverts and a channel would be constructed between the two culverts. The constructed channel would have a bottom width of 2 ft. and a top of bank width of 6 ft. The constructed channel would have two rows of trees and shrubs on both sides of the channel. The trees and shrubs would be planted 12 to 15 feet apart. The trees would consist of red maple, green ash, sycamore, and boxelder. The shrubs would consist of silky dogwood, spicebush, button bush, and alder. The pond would have approximately 4, 000 square feet filled to accommodate the road. An 18-inch concrete pipe that is 132 ft. long would be placed at the outlet of the pond and under the proposed road to allow overflow water to reach the receiving stream.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Trent Thomas

USGS TOPOGRAPHIC QUADRANGLE: Bearden, TN (138 – NE)

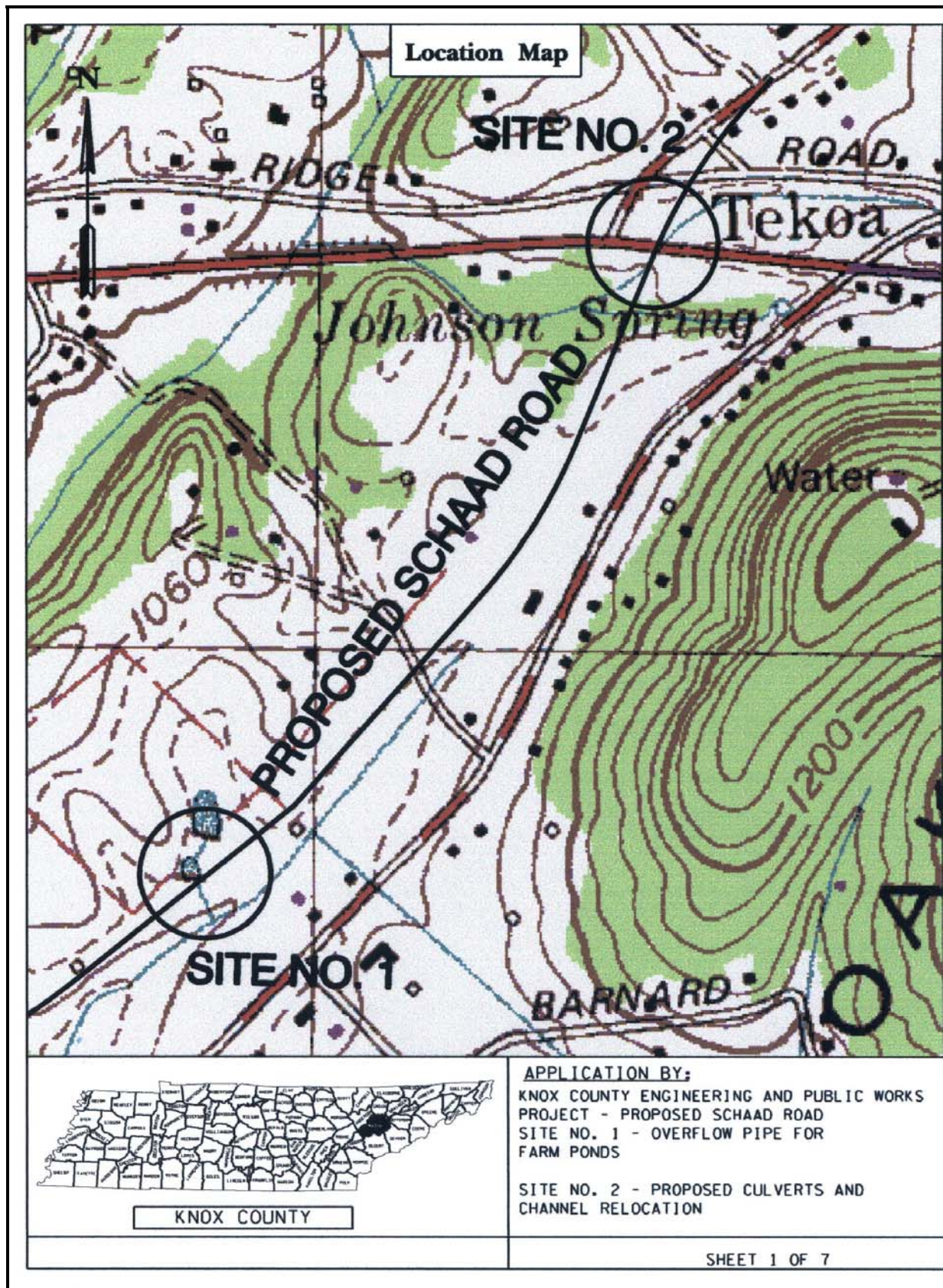


Figure 1: Topographic map showing approximate location of proposed activity

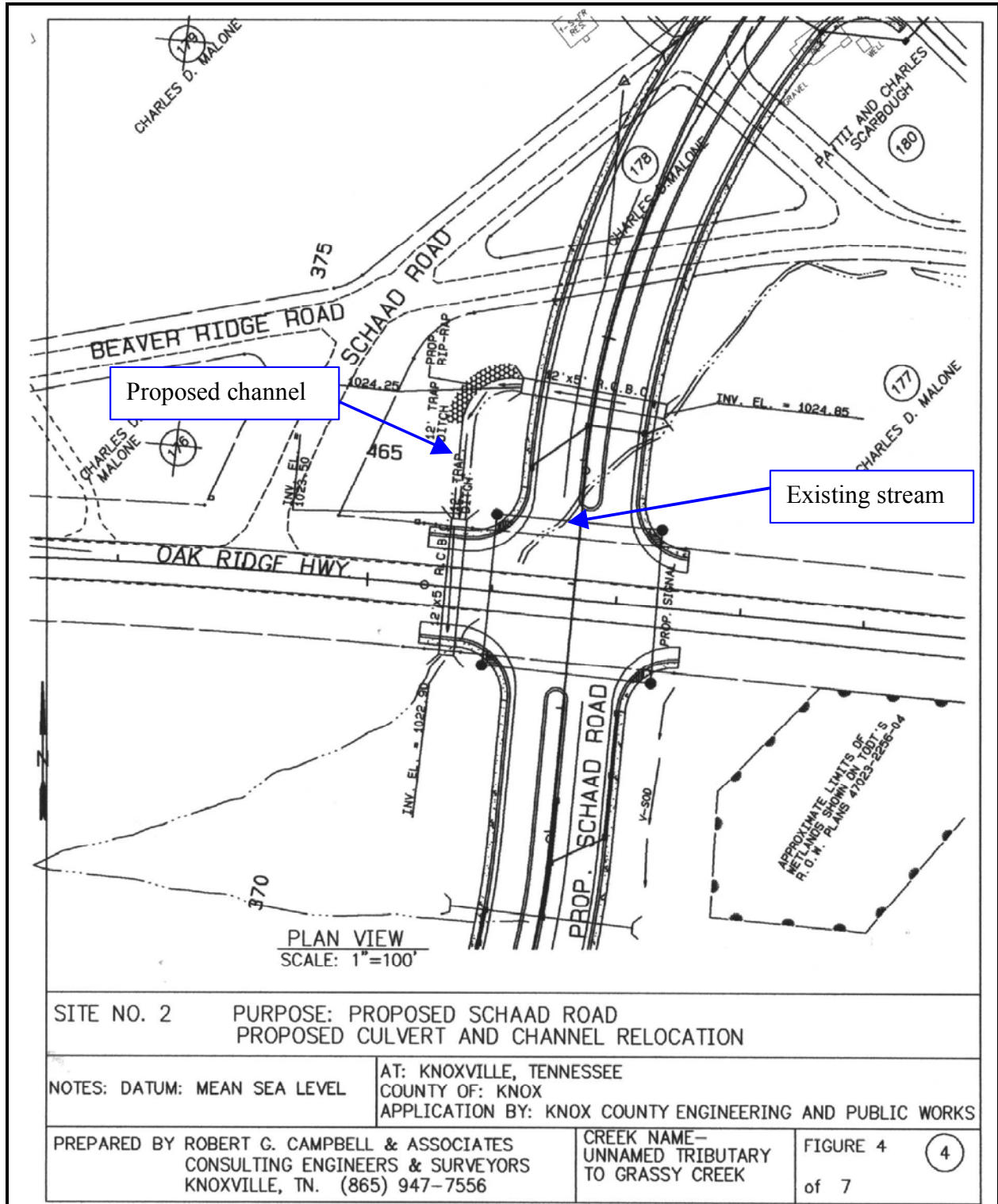


Figure 2: Detailed drawing of proposed culverts and relocation

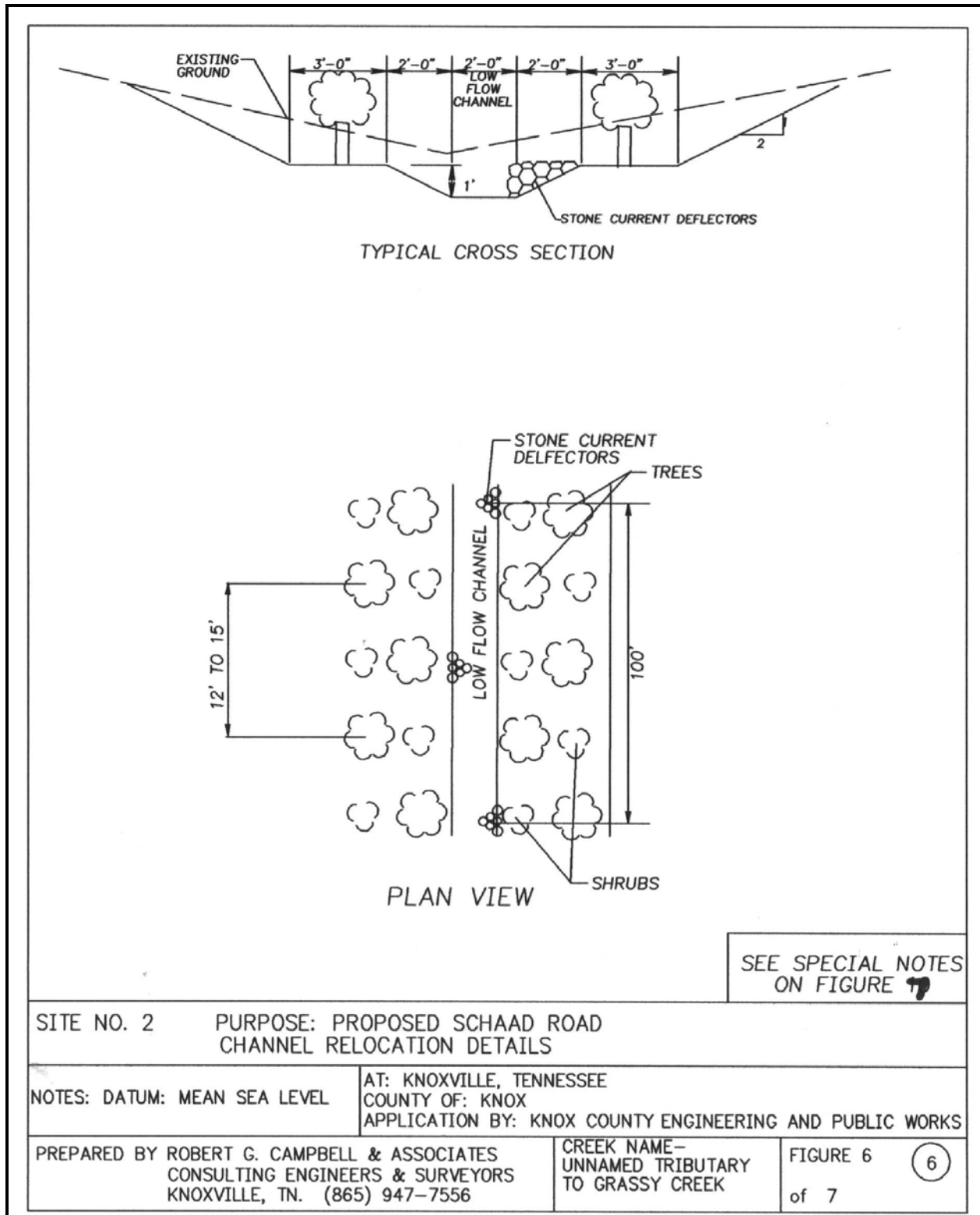


Figure 3: Constructed channel details

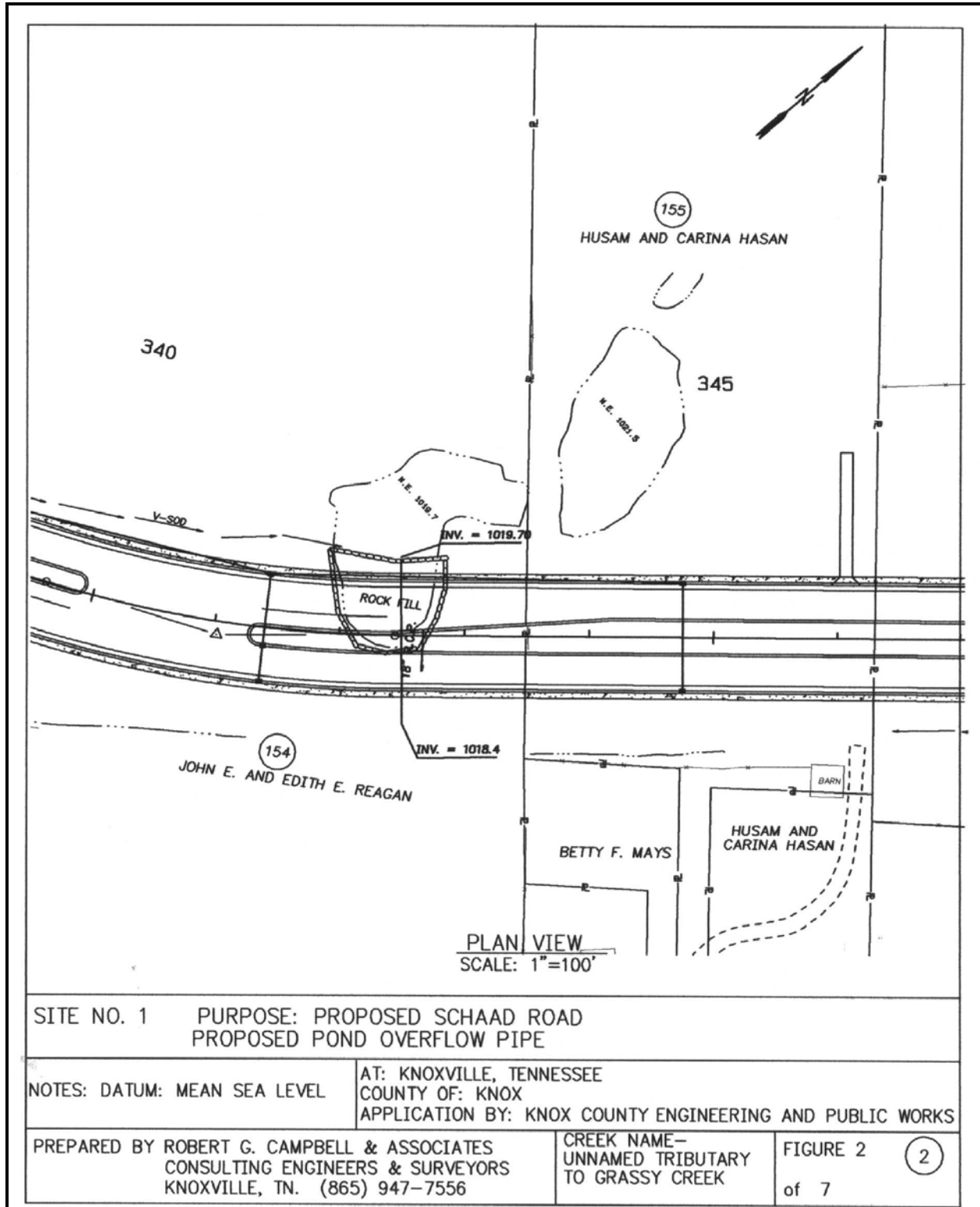


Figure 4: Detailed drawing proposed impact to the pond

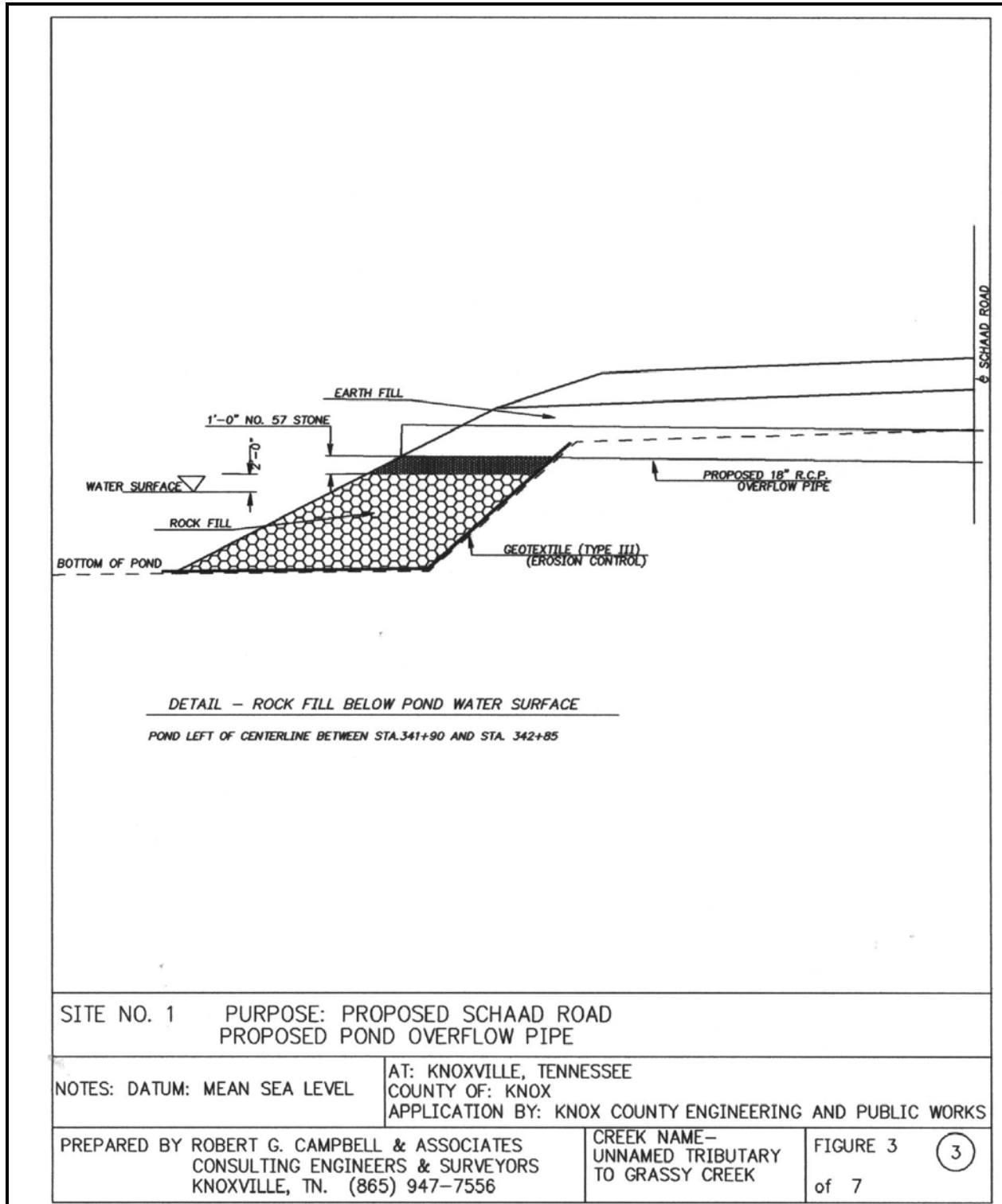


Figure 5: Cross section view of impacts to pond